

# **ETV Pilot for Indoor Air Products**

## **Meeting Summary for the Task Force on Ventilation Air Filters Research Triangle Park, NC, October 8, 1997**

### **Background**

The second meeting of the Task Force on Ventilation Air Filters was held in Research Triangle Park, NC, October 8, 1997. The meeting was held at the Research Triangle Institute (RTI). Tours of the RTI laboratory were arranged for October 7, 1997.

### **Action Items**

The next meeting will be February 17, 1998, in Washington, DC.

Unless otherwise noted, all action items are expected to be completed before the next meeting. It is hoped that materials will be distributed in advance of the meeting, therefore a deadline of January 26, 1998, is suggested.

1. RTI will distribute a draft of the meeting minutes.
2. RTI will conduct a pilot verification test and will develop a verification statement and verification report for the test. Information about the cost and time necessary for the test will be provided. Products will be provided by NAFA. The purpose of this test is to clarify the testing procedure and the verification statement and report. Information from this pilot will be used in finalizing the ETV test protocol.
3. A laboratory proficiency plan will be developed by EPA and RTI.
4. RTI will contact new stakeholders with information about the program and invite them to the next meeting. Industry and other stakeholders will provide lists to RTI by November 19, 1997.
5. Based on industry-supplied communication information, RTI will develop outreach materials about the ETV program.
6. RTI and EPA will report on other issues for the verification statement at the next meeting.
7. Jim Hanley of RTI will provide an update about related testing at the next meeting.

### **Industry and other stakeholders agreed to do the following:**

1. Provide products for the pilot verification test. This will be coordinated by NAFA.

2. An industry subcommittee, lead by Chuck Rose, will define the product. This definition can then be used as part of the ETV test protocol.
3. NAFA will develop a product acquisition protocol to be included as part of the ETV test protocol.
4. Industry and others will provide RTI with a list of additional stakeholders. These lists are due to RTI by November 19, 1997. RTI will then issue invitations for the next meeting.
5. Industry and others will provide RTI with information about the best methods to use for communicating information about the ETV program. This can include industry publications and trade shows, etc. The information is due to RTI by November 7, 1997.
6. NAFA will define changes in product specification that will trigger retesting.
7. Nancy Adams of EPA will provide information about EPA's draft quality plan for ETV.

### **Update on EPA and Industry Programs**

Les Sparks provided an update on the ETV program, including a discussion about the difference between verification and certification. There was discussion about EPA's role of quality assurance oversight in the testing program. It was mentioned that purchase specifications might still require EPA verification after EPA was no longer involved in the testing program. Dave Ensor said that this stakeholder group will stay focused on media filters, however, in the future, there might be other groups looking at different products such as gas-phase filters.

Al Veeck, president of NAFA, discussed the certification program effort within NAFA. There are task groups looking into testing, administration, and funding of the program. Their goal is to have the testing program for media air filters in place by January 1999. There will be a phased marketing program through 2002.

Steve Sanders reported on ARI's work on certification. They are looking at the ASHRAE 52.2P test method as it relates to electronic filters.

Deborah Prince of Underwriters' Laboratories discussed their efforts with portable air cleaners. Contact her at (919) 549-1460 to be added to their mailing list.

### **Discussion**

Dave Ensor discussed the components of the protocol package and the verification statement. There was discussion of including a description of the product. This will be studied further by an industry group that will report at the next meeting.

RTI suggested that they perform a pilot verification test, complete with verification report and verification statement. It is expected that this should clarify both the testing procedure and the output documents. Information about the cost and time necessary for the testing will also be provided. NAFA will provide the filters to be tested. The use of pleated filters was discussed. RTI will prepare a test plan and QA plan for the test.

Jim Hanley of RTI presented preliminary information from testing done for other studies. Because these results are not final, handouts were not distributed. He looked at the repeatability and reproducibility using clean filters (initial efficiency). The tests appear to be repeatable for a single filter or for similar filters. He also looked at loading dust for charged-fiber media, looking at results with and without the carbon. RTI will provide updates to the stakeholders as more information is available.

### **Meeting Attendance**

<b>Attended</b>	<b>Did Not Attend</b>
Nancy Adams, U.S. EPA	Bob Axelrad, U.S. EPA
Brian Boender, Trion, Inc	Barney Burroughs, IAQ Building Wellness Const.
Bob Bradley, Precisionaire Inc.	Jim Cox, ASHRAE
David Brooks, Purolator Products Company	Harry Elinsky, Filtech Inc.
Larry Cavalier, 3M	Craig Ellis, Trion, Inc
David Ensor, Research Triangle Institute	Angie Gorn, National Air Filtration Association
Deborah Franke, Research Triangle Institute	Penelope Hansen, U.S. EPA
Paul Gensler, Environmental Filter Corporation	Michael Haufe, Columbus Industries
Dave Goss, Wisconsin Filtration Supply, Inc.	K.C. Hsieh, Particle Tech, Inc.
Jim Hagewood, Koch Filter Corporation	Dainne Janczewski, Clean Air Devices Manufacturers Association
	Michael Jawer, BOMA
	Peggy Jenkins, California Air Resources

Jim Hanley, Research Triangle Institute	Board Research Division
Jeff Holt, Precisionaire Inc.	John Jiambalvo, Association of Home Appliance Manufacturers
Joe Hovekamp, Airguard Industries, Inc.	Mark King, Tri-Dim Filter Corp.
Pauline Johnston, U.S. EPA	Joesph Koman, Federal Trade Commission
Daniel King, Tri-Dim Filter Corp.	Jim Kubokawa, 3M
J.L. (Skiter) Kowalski, Carpenter Company	Leyla McCurdy, American Lung Association
Edward Lyons, Filtration Group	Earl Mielke, Complete Air Filter Co.
William Matkins, Aeolus Corporation	Malcolm Mock, Quality Filters, Inc.
Dale Montgomery, Flanders	Tom Ottney, Ohio Air Systems, Inc.
Mike Osborne, U.S. EPA	Elena Paoli, Federal Trade Commission
Lawrence Ost, Filtration Group	Mike Stemmer, Air Kontrol, Inc.
Roger Pasch, Research Products Corporation	Ken Sufka, National Air Filtration Association
Gordon Plishker, University of Sam Houston State	Laurie Todd, Carolina Filters
Deborah Prince, Underwriters Laboratories	William Weiller, Purifil
Wayne Redfern, Union Wadding Company	C.W. (Andy) Wood, Precisionaire Inc.
Chuck Rose, AAF- International	Michael Woodford, ARI
John Sabelli, Intertek Testing Services	James Wooldridge, Koch Filter Corporation
Steve Sanders, Air Conditioning and Refrigeration Institute	
Kevin Scruggs	William T. Burnett &

Co.

Les Sparks, U.S. EPA

Jeff Spicer, Tri-Dim Filter Corp.

Chris Steele, NSF International

Gene Tucker, U.S. EPA

Al Vatine, LMS Technologies, Inc.

Alan Veeck, Tidewater Air Filter, Inc.

Don Wall, Hobbs Industries

Arthur Wheeler, Wheeler Engineering

Steve Williams, ICF Kaiser